Mobile Aircraft Fuel Tank Respiratory Protection System

Description: A complete, portable system to supply clean breathable air to personnel entering Fuel Tanks for inspection or repair. All equipment stores within two strong, reusable containers that can be manually transported. Provides a smaller footprint for Mobility/Deployment operations. Functions with portable or stationary electrical supply 115 volt, single phase, 60 Hz current. Explosion Proof design. System features a oil-less Ambient Air Breathing Pump that operates three NIOSH approved Supplied Air Respirator Mask and Hose Assemblies. Respirator Masks include a built in speaking diaphragm for better communication.

Contents:

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric Driven, Explosion Proof Ambient Air Breathing Pump.</td>
<td>1 Each</td>
</tr>
<tr>
<td>Full Face adjustable Respirator Mask with Matching 100 ft. of Air Hose and Quick Disconnect Fittings NIOSH approved.</td>
<td>3 Each</td>
</tr>
<tr>
<td>Box of 10 Replacement Filter Cartridges for Air Pump</td>
<td>1 Each</td>
</tr>
<tr>
<td>Breathing Pump Storage Container</td>
<td>1 Each</td>
</tr>
<tr>
<td>Respirator Equipment Storage Container</td>
<td>1 Each</td>
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</tbody>
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WARNING: This Respiratory Protection System is not to be used in areas that are Immediately Hazardous to your Life or Health. Always ventilate Fuel Tank to safe acceptable levels before entering.
Rhine Air's Mobile Aircraft Fuel Tank Respiratory Protection System

Designed specifically for personnel that enter Aircraft Fuel Tanks.
Provides clean, oil-less ambient air delivery.
Operates with existing power supplies.
Very portable, sets up quick and easy.
Electrically Driven, Explosion Proof Design.
Operates up to three NIOSH approved supplied air respirators at a time.
HEPA air filtration capacity.
Smaller size footprint for Mobility / Deployment conditions.
Off the shelf, commercially available.
Impact and crush resistant reusable containers

System Specifications

Breathing Pump Storage Container Overall
Dimensions
Length 43" Width 31" Height 28"

Respirator Equipment Storage Container Overall
Dimensions
Length 30" Width 30" Height 22"

Reusable Container Features
Rotationally molded MDPE Plastic
Recessed Hardware - Stainless Steel
Molded Tongue-in-groove gasketed parting line
Pressure relief valve
Removable lid
Forest Green Color
Multiple Recessed Lifting Handles

Breathing Pump and Storage Container Weight
235 Lbs.

Respirator Equipment and Storage Container Weight
105 Lbs.

Required Power Supply
AC Electrical Current
115 volt, Single Phase, 60 Hz
20 Amp Minimum Fuse Circuitry

Breathing Pump Output Capacity
Air Volume: 15 cfm
Air Pressure: 15 psi
Operates up to three full face supplied air respirator assemblies at once.
Commercially Available Items
Proprietary Design

Rhine Air, Inc.
Breathing Pumps, Pneumatic Fans Blowers

PORTABLE OIL-LESS AMBIENT AIR BREATHING PUMP

1) INTAKE FILTER DRAWS IN AMBIENT AIR (CAN BE EXTENDED)

2) AIR IS ROUTED THROUGH OIL-LESS PUMP

3) AIR EXITS MANIFOLD THROUGH DESIGNATED RESPIRATORY HOSE

4) SIMULATED TRAVEL PATH OF AIR THROUGH RESPIRATORY HOSE

NIOSH Approved Respirators

Basic Breathing Schematic